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4 BILL NO. S-73-03-19

5 SPECIAL ORDINANCE NO. S-36-73

6 AN ORDINANCE approving a contract with  
7 MINNESOTA MINING & MPG. CO. for reflect-  
8 tive sheeting and miscellaneous sign  
faces for the fabrication of Traffic  
Control Signs and Guides for 1973.

9  
10 BE IT ORDAINED BY THE COMMON COUNCIL OF THE CITY OF  
11 FORT WAYNE, INDIANA:

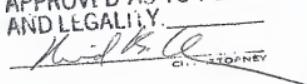
12 SECTION 1. A certain contract approved February 26,  
13 1973, between the City of Fort Wayne, by and through its Mayor  
14 and the Traffic Engineering Department and MINNESOTA MINING &  
15 MPG. CO., for:

16 Reflective sheeting and miscellaneous  
17 sign faces

18 all for a total cost of approximately \$10,000.00 or less, all  
19 as more particularly set forth on Purchase Order No. as required,  
20 which is by reference incorporated herein and made a part hereof,  
is here by in all things ratified, confirmed and approved.

21 SECTION 2. This Ordinance shall be in full force and  
22 effect from and after its passage and approval by the Mayor.

23   
24 Councilman

27 APPROVED AS TO FORM  
28 AND LEGALITY.  
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Read the first time in full and on motion by Hinga, seconded by Salvius, and duly adopted, read the second time by title and referred to the Committee on Finance (and the City Plan Commission for recommendation) and Public Hearing to be held after due legal notice, at the Council Chambers, City-County Building, Fort Wayne, Indiana, on \_\_\_\_\_, the \_\_\_\_\_ day of \_\_\_\_\_, 197\_\_\_\_, at \_\_\_\_\_ o'clock P.M., E.S.T.

Date: 3-27-73

Marshall M. Tolson  
CITY CLERK

Read the third time in full and on motion by Hinga, seconded by Salvius, and duly adopted, placed on its passage. Passed ~~(lost)~~ by the following vote:

AYES	NAYS	ABSTAINED	ABSENT	to-wit:
<u>9</u>	<u>0</u>			
BURNS				
HINGA	<u>✓</u>			
KRAUS	<u>✓</u>			
MOSES	<u>✓</u>			
NUCKOLS	<u>✓</u>			
SCHMIDT, D.	<u>✓</u>			
SCHMIDT, V.	<u>✓</u>			
STIER	<u>✓</u>			
TALARICO	<u>✓</u>			

DATE: 4-10-73

Marshall M. Tolson  
CITY CLERK

Passed and adopted by the Common Council of the City of Fort Wayne, Indiana, as (Zoning Map) (General) (Annexation) (Special) (Appropriation) Ordinance (Resolution) No. 4-36-73 on the 10th day of April, 1973.

ATTEST: (SEAL)

Marshall M. Tolson  
CITY CLERK

W. D. Field, Clerk  
PRESIDING OFFICER

Presented by me to the Mayor of the City of Fort Wayne, Indiana, on the 11th day of April, 1975, at the hour of 10:00 o'clock A. M., E.S.T.

Marshall M. Tolson  
CITY CLERK

Approved and signed by me this 11th day of April, 1975, at the hour of 3:30 o'clock P. M., E.S.T.

Don A. Leonard  
MAYOR

Bill No. S-73-03-19

REPORT OF THE COMMITTEE ON FINANCE

We, your Committee on Finance to whom was referred an Ordinance  
approving a contract with MINNESOTA MINING & MFG.  
CO. for reflective sheeting and miscellaneous sign  
faces for the fabrication of Traffic Control Signs  
and Guides for 1973.

have had said Ordinance under consideration and beg leave to report back to the Common  
Council that said Ordinance DO PASS.

William T. Hinga - Chairman

John Nuckles - Vice-Chairman

James S. Stier

Samuel J. Talarico

Paul M. Burns

*William T. Hinga*  
*John Nuckles*  
*James S. Stier*

*Samuel J. Talarico*  
*Paul M. Burns*

DATE 1/10/73 CONCURRED IN  
CHARLES W. TALARICO, CITY CLERK

*memo from*

## **Purchasing Department**

March 2, 1973

Board of Public Safety  
9th Flr., City-County Bldg.  
One Main St., Ft. Wayne, Ind. 46802

Attn: Tom Casaburo Ref.: Bid Ref. No. 506

Attached copy of the successful bidder.

Minnesota Mining & Mfg. Co., (As Required)

### Reflective Sheeting as selected from catalog

Tabulation sheet attached. 1

Tabulation sheet attached.

Deby

# House Memorandum

To Walter Stout-Traffic Engrg. Operations Date February 21, 1973  
From A.T. Demetroff, Dept. of Purchases  
Subject Bid No. 506, Reflective Sheeting

COPIES TO:

The following are bids received for the above  
bid.

Please review and return as soon as possible.

26<sup>TH</sup> FEBRUARY 1973

PLEASE BE ADVISED THE ATTACHED BID  
HAS BEEN REVIEWED BY OUR OFFICE. WE  
ARE REQUIRING THE BID BE AWARDED TO  
MINNESOTA MINING AND MANUFACTURING  
COMPANY OF ST. PAUL, MINNESOTA.  
THANK YOU.

WALT STOUT  
TRAFFIC ENGINEERING

3M Co. is ONLY BIDDER.

Bid Ref. No. 506

Date 2/21/73

### Product Reflec. Sheeting

## Traffic Engineering

From Award To 12/31/73

As Selected

From Catalog

\$10,000 or Less

Minnesota Mining & Mfg.  
NEW CLOTH O.K.  
CHECK 500.00

## Exercise No. 3

General Steel Ind.  
Flex-O-Lite Div.

Sidal Aluminum Corp.

No. 611

Lyle Signs Inc.

Notes



GENERAL OFFICES • 3M CENTER • SAINT PAUL, MINNESOTA 55101 • TEL. (612) 733-1110

BID PROPOSAL - PRICE CONTRACT

Proposal of MINNESOTA MINING AND MANUFACTURING COMPANY, 3M CENTER, ST. PAUL, MINNESOTA for  
CITY OF FORT WAYNE, INDIANA covering the products listed below,  
for a CONTRACT PERIOD OF DATE OF AWARD THROUGH DECEMBER 31, 1973  
TERMS: NET 30 DAYS; DELIVERY: 20 - 40 DAYS AFTER RECEIPT OF ORDER; F.O.B. DESTINATION

(This proposed contract covers ONLY those items marked "X". You will note other product price pages are attached to our standard proposal. Disregard any items you do not wish in this contract or indicate with an "X" in the proper box those items you want to add.)

.....PROPOSAL.....

- 1. "SCOTCHLITE" BRAND REFLECTIVE SHEETING, ENGINEER GRADE (See Attachment "A")
- 2. "SCOTCHCAL" BRAND FILM (See Attachment "B")
- 3. "SCOTCHLITE" BRAND REFLECTIVE SHEETING, ENGINEER GRADE AND "SCOTCHCAL" BRAND CUT-OUT LETTERS, TRAFFIC AND STREET NAME SIGN FACES AND ALLIED ITEMS (See Attachment "C")
- 4. "SCOTCH-LANE" BRAND PAVEMENT STRIPING TAPE (See Attachment "D")
- 5. "CODIT" AND "SCOTCHLITE" BRAND REFLECTIVE LIQUID; "SCOTCH-LITE" AND "SCOTCHCAL" BRAND PROCESS COLORS (See Attachment "E")
- 6. "SCOTCHLITE" BRAND REFLECTIVE DELINEATORS (See Attachment "F")
- 7. "GREEN LITE" BRAND STRIPING POWDER (See Attachment "G")
- 8. "CENTERLITE" BRAND REFLECTIVE COMPOUND (See Attachment "H")
- 9. "SCOTCHLITE" BRAND APPLICATOR PARTS LIST (See Attachment "I")
- 10. "SCOTCHLITE" BRAND REFLECTIVE SHEETING, HIGH INTENSITY GRADE (See Attachment "J")
- 11. "SUPERBRITE" BRAND BISYMMETRIC BONDING GLASS SPHERES (See Attachment "K")
- 12. "CERAMASCAPE" BRAND LANDSCAPE SURFACING MATERIALS (See Attachment "L")

If your order or contract is received by March 23, 1973 the prices quoted herein will be held firm for the life of the contract.

One copy (this page only) of your signed acceptance of this proposal should be sent to: E.V. Jarvinen - Bldg. 224-62, 3M Company, 3M Center, St. Paul, Minnesota 55101, to validate this contract.

Orders should be sent to our office located at: 3M Company, 3M Center, St. Paul, Minnesota 55101; Attn: TRAFFIC CONTROL PRODUCTS DIVISION - BLDG. 224-62 - ORDER DEPARTMENT

ACCEPTANCE:

CITY OF FORT WAYNE, INDIANA

MINNESOTA MINING AND MANUFACTURING COMPANY

By James C. Stadler

GENERAL MANAGER  
TRAFFIC CONTROL PRODUCTS DIVISION

James C. Stadler  
Marketing Manager  
Date February 14, 1973

By \_\_\_\_\_  
Title \_\_\_\_\_  
Date \_\_\_\_\_

Number, One Main St., Ft. Wayne, Ind. 46802

**INVITATION**

Quotations, subject to the conditions on the reverse hereof, are requested on the following list of materials, supplies, equipment or services, for the department as mentioned, with delivery to destination as shown below. Quotations shall include all charges for delivery, packing, etc. Address your reply as indicated below. (Telephone 423-7037)

\*Mail all replies and correspondence, etc. to Attn. of A.T. Demetroff DEPARTMENT OF PURCHASES

470 Room 207, Number One Main St., Ft. Wayne, Ind. 46802

**REQUIRED FOR DELIVERY TO:**

Department Traffic Engineering Operations  
or Division 1710 S. Lafayette St.  
Address Fort Wayne, Indiana

RETURN ORIGINAL TO THE CITY—RETAIN DUPLICATE COPY FOR YOUR FILE

Closing Wednesday, February 21, 1973 at 10:00 A.M.

Time of Bids

**TAXES: THE CITY IS EXEMPT FROM FEDERAL EXCISE AND INDIANA STATE SALES TAX. THE CITY'S INDIANA SALES TAX EXEMPTION CERTIFICATE NUMBER IS NO. 24488. PRICES SHOULD NOT INCLUDE THESE TAXES. See "Instructions to Bidders" No. 10 on reverse hereof for details.**

**TAX EXEMPT (Unless otherwise indicated)**

Quantity	Unit	Materials, Supplies, Equipment or Services	Unit Price	Total Amount
		Reflective Sheeting & Sign Faces, per specifications enclosed.		

SEE "BID PROPOSAL-PRICE CONTRACT"  
ENCLOSED AND HEREBY MADE A PART  
OF OUR BID.

Bid Bond required  NO  YES 5 % of Bid Performance Bond  NO  YES

See Instruction Item No. 19 on reverse side hereof.

Terms 0 % cash discount if paid within 30 days from delivery and acceptance of goods or completion of services.

**PROPOSAL OR BID**

In compliance with the above invitation for bids and subject to all conditions thereto, the undersigned offers and agrees, if this bid is accepted within a reasonable time from date of closing, to furnish any or all of the items or render such services upon which prices are quoted, in accordance with the specifications applying and as the price set opposite each item.

Delivery of any or all of the items or completion of services indicated shall be made within 20-40 days from receipt of order.

**IMPORTANT**

As delivery may be a deciding factor in the award of an order, it is important that bidders furnish the information requested above.

Signed Hereby

**MINNESOTA MINING AND MANUFACTURING COMPANY**

Name of Company Merchandising

For James C. Stadler Manager

Address 3M Center

City St. Paul, Minnesota 55101 Date 2-14-73

## GENERAL CONDITIONS, INSTRUCTIONS TO BIDDERS AND INFORMATION FOR BIDDERS

- Special Conditions:** Special conditions included in the Bid Document shall take precedence over any provisions stipulated hereunder.
- Applicable Laws:** The Revised statutes of the State of Indiana, and all City ordinances insofar as they apply to the laws of competitive bidding, contracts, and purchases, are made a part hereof.
- Workmen's Compensation:** Insofar as Workmen's Compensation Act is concerned, the bidder or contractor agrees to furnish an official, certificate from the Industrial Board of Indiana, showing that he is in compliance with such law, whenever such certificates are required in the Bid Document.
- Enfrgments and Indemnifications:** The bidder, if awarded an order or contract, agrees to protect, defend, and save the City harmless against any demand for payment for the use of any patented material, process, article, or device that may enter into the manufacture, construction, or form a part of the work covered by either order or contract and he further agrees to indemnify and save the City harmless from suits or actions of every nature and description brought against it, for or on account of any injury or damages received or sustained by a party or parties, by or from any of the acts of the contractor, his servants, or agents.  
To this extent the bidder or contractor agrees to furnish adequate Public Liability and Property Damage Insurance, the amount of which will be determined by the City whenever such insurance is deemed necessary. When so required the types and amounts of insurance to be provided is set forth in the Bid Document.
- Pricing:** Prices should be stated in units of quantity specified in the Bid Document. In case of discrepancy in computing the amount of the bid the unit prices quoted will govern.
- Delivery:** Quotations should include all charges for delivery, packing, crating, containers, etc. Unless otherwise stated by the bidder prices quoted will be considered as being based on delivery to the destination designated in the Bid Document and to include all delivery and packing charges.
- Specifications:** Unless otherwise stated by the bidder the proposal will be considered as being in strict accordance with the specifications outlined in the Bid Document.  
References to a particular trade name, manufacturer's catalog or model number are made for descriptive purposes to guide the bidder in interpreting the requirements of the City. They should not be construed as excluding proposals on other types of materials, equipment and supplies. However the bidder, if awarded a contract, will be required to furnish the particular items referred to in the specifications or description unless a departure or substitution is clearly noted and described in the proposal.
- Samples:** Samples, when requested, must be furnished free of expense to the City and if not destroyed, will upon request be returned at the bidder's expense.
- Cash Discounts:** Time in connection with cash discount offered, will be computed from date of delivery and acceptance at final destination or from date properly executed claim voucher is received, if the latter date is later than the date of delivery and acceptance.
- Taxes:** The City is generally exempt from Federal Excise and Indiana State Sales Tax. Quotations must be separated to show the amount to be added for taxes of any kind if applicable. Prices should not include tax. The City will pay such taxes as are applicable to this purchase. Exemption forms will be furnished wherever necessary. Taxes wherever indicated and which are applicable to this purchase, will not be subject to any trade or cash discounts.
- Bid Informalities and Rejection:** The City reserves the right to waive informalities not inconsistent with law or to reject any or all bids.
- Awards:** Unless otherwise specified in the Bid Document the City reserves the right to accept any item in the bid. Unless otherwise stated in the Bid Document bidders may submit proposals on any item or group of items, provided however that the unit prices are shown as requested.
- Payments:** Partial payments may be made upon presentation of properly executed claim voucher unless otherwise stated in the Bid Document. The final payment will be made by the City when the materials, supplies or equipment has been fully delivered and accepted or the work completed to the full satisfaction of the City.
- Bidder's Signatures:** Each proposal form must be signed by the bidder with his usual signature. All signatures should be in full. Bids by partnership should include the names of the partners composing the partnership and must be signed by one or more of the partners in the following manner: "John Jones and James Smith, d.b.a., Smith-Jones Company, by John Jones, a partner".  
Bids by corporations must be signed with the names of the corporation, followed by the signature and designation of the president, vice-president, or person authorized to bind it in the matter.
- The successful bidder, or contractor, agrees that he will comply with Indiana Acts 1951, chapter 208, section 10, being Burns Indiana Statute 46-2315-1954 supplement requiring such bidder, contractor, or his subcontractor not to discriminate with respect to hiring, tenure, terms, conditions, or privileges of employment because of race, color, religion, national origin or ancestry.**
- Unless otherwise specifically indicated under the individual listing in the legal advertisement or invitation to bid, all bids shall be subject to the following:**
  - A Bid bond, deposit of cash, certified check or Bank Cashiers Check, in the amount specified, drawn on a solvent bank payable to the City of Fort Wayne or to the contracting division thereof.
  - The successful bidder will be required to furnish a bond or Certified Check on a solvent bank, payable to the City of Fort Wayne or to the contracting division thereof, in the amount specified in the notice of bids wanted or the invitation to bid, as a guarantee for the faithful performance thereof.
- Submission and Receipt of Bids:**
  - Proposals, to receive consideration, must be received prior to the specified time of closing as designated in the invitation.
  - Bidders must use the Bid Document proposal form furnished by the City as none other will be accepted. Proposal forms must be returned intact. Removal of any part thereof may invalidate the bid.
  - Bidders are requested to use the Bid Envelope if furnished by the City, or other similarly identified envelope to assure proper handling. Envelopes should be sealed when submitted with information on the face of the Bid Envelope to identify the bid, e.g., Bid Reference number and date of closing and City Agency involved.
  - Separate proposals must be submitted on each reference number.
  - Proposals having any erasures or corrections thereto may be rejected unless explained or noted over the signature of the bidder.

Advertisement  
Board of Commissioners  
Date \_\_\_\_\_ as follows:

Board of Commissioners  
Date \_\_\_\_\_ as follows:

Rejected

## OFFICE OF CITY TRAFFIC ENGINEER

FORT WAYNE, INDIANA

SPECIFICATIONS FOR REFLECTIVE SHEETING  
AND SIGN FACES, ETC.SCOPE AND CLASSIFICATION

SCOPE. This specification covers flexible, colored, reflective sheeting and tape, coated on one side with an adhesive backing protected by a removable liner.

CLASSIFICATION - The Reflective sheeting and tape shall be of the following types, classes, and colors as specified.

Type 1- Sheet, reflective (sheets or rolls)

Class 1- Manual Application ( pressure sensitive adhesive)

Class 2- Mechanical application.

a- Solvent activated.

b- Heat activated

Colors: White, silver white No. 1 and No. 2, yellow, red, dark red orange, green, blue, and gold.

APPLICABLE SPECIFICATIONS AND STANDARDS.

The following specifications and standards, of the issues in effect on date of invitation for bids or request for proposal, form a part of this specification to the extent specified herein:

Federal Specifications:

QQ-A-250- Aluminum Alloy Plate and Sheet; General Specification for.

QQ- A-250/5- Aluminum Alloy Alclad 2024, Plate and Sheet

TT-T- 266- Thinner; Dope and Lacquer ( Cellulose- Nitrate).

Reflective Sheeting Cont'd

PPP-B-601- Boxes, Wood, Cleated- Plywood.

PPP-B-621- Boxes, Wood, Nailed and Lock-Corner

PPP-B-636- Box, Fiberboard

FEDERAL STANDARDS:

Fed. Std. No. 102- Preservation, Packaging, and Packing Levels.

Fed. Std. No. 123- Marking for Domestic Shipment (Civilian Agencies).

Fed. Test Method Std. No. 141- Paint, Varnish, Lacquer and Related Materials; Methods of Inspection, Sampling and Testing.

All specifications as detailed in Federal Specification L-S-300 Form the basis for this specification and shall be considered the binding requirements for compliance.

For furnishing during the period of the contract and at the prices indicated, the requirements of the commodities listed herein which may be required by the Traffic Engineering Department of the City from time to time. It is understood that the quantities are approximate only and in no way shall govern the amount required during the period of the contract.

DELIVERY AND CONTRACT PERIOD:

The commodity shall be delivered to the City as needed and ordered beginning on the date of the contract award and ending December 31, 1973. Each release for delivery shall be evidenced by a regular purchase order issued by or on behalf of the using department.

PRICING-INVOICING:

The bidders' prices shall include all delivery charges and be submitted in the bidders proposal section included herein. Invoices must be submitted to the using department together with the City's standard claim form for that department.

ITEM 1

Reflective and non-reflective sheeting, Regulatory, Warning, guide and street name faces; and related items pertaining thereto in accordance with the enclosed specifications.

Reflective Sheeting Cont'd.ESTIMATED QUANTITY:

Miscellaneous purchases of the listed items in the amount of ten thousand dollars (\$10,000.00) or less. A price list, discount sheet and catalog will be acceptable for the purpose of the determining the award.

OPTIONAL RENEWAL:

By mutual agreement between the City and the Contractor, the Contract period may be extended for an additional period not to exceed (1) One year. However, the agreement to extend must be completed in writing not less than (15) fifteen days prior to January 1st, 1974. The contract may be extended only at the same price and under the same conditions governing the original contract. Estimated requirements for the optional renewal period herein are estimated to approximate the estimated quantities set forth in the initial contract period; as provided above, the estimated amount shall in no way govern the amount required during any optional renewal period.

NON-COLLUSION AFFIDAVIT

MINNESOTA  
STATE OF ~~MINNESOTA~~, }  
----- Ramsey COUNTY } SS:  
-----

The undersigned bidder or agent, being duly sworn on oath, says that he has not, nor has any other member, representative, or agent of the firm, company, corporation or partnership represented by him, entered into any combination, collusion or agreement with any person relative to the price to be bid by anyone at such letting, nor to prevent any person from bidding nor to induce anyone to refrain from bidding, and that this bid is made without reference to any other bid and without any agreement, understanding or combination with any other person in reference to such bidding.

He further says that no person or persons, firms, or corporation has, have or will receive directly or indirectly, any rebate, fee, gift, commission or thing of value on account of such sale or contract.

*James C. Stadler*

James C. Stadler  
Merchandising Manager

Bidder or Agent

For MINNESOTA MINING AND MANUFACTURING COMPANY  
Firm or Corporation

Subscribed and sworn to before me this 14th day of February, 1973.

My Commission Expires  
R. J. LaVALLE,  
Notary Public, Ramsey County, Minn.  
My Commission Expires Feb. 4, 1977.

*R. J. LaValle*

## REQUEST FOR PUBLICATION

DATE February 2, 1973

News	<input type="checkbox"/>
Sentinel	<input checked="" type="checkbox"/>
Journal	<input type="checkbox"/>
Gazette	<input type="checkbox"/>
Other	<input type="checkbox"/>

Kindly publish the following advertisement on the dates as shown and issue invoice to \*

\* Department Traffic Engineering Operations  
1710 S. Lafayette St.  
 Address Fort Wayne, Indiana

Department of Purchases  
 City of Fort Wayne

By A. T. Demetropoulos

BIDS WANTED - REFERENCE NO. 506

Sealed Proposals will be received by the City of Fort Wayne at the Office of Department of Purchases, Number One East Main Street, Room 470, Fort Wayne, Indiana, until 10:00 A.M., Wednesday, February 21, 1973 for the following items:

Reflectiv Sheeting & Sign Faces

Bid Forms, specifications, etc., may be obtained upon application at the office and address given above.  
 A Bid Bond or Certified Check in the amount of \$ 5% of Bid must be submitted with the bid.

Department of Purchases  
 City of Fort Wayne  
John A.T. DEMETROPOULOS  
 Director of Purchases

INSERT 1st RUN

REPEAT 2nd RUN

Type of Advertising Required

February 8, 1973

February 15, 1973

LEGAL NOTICE

# PROPOSAL AND BID SURETY FORM

## PROPOSAL:

In compliance with the foregoing invitation to bid and subject to all of the conditions thereof the undersigned offers and agrees, if this bid is accepted within a reasonable time from date of opening of bids, to enter into a contract in accordance with the prices stated herein.

The Legal Advertisement, General Conditions, Instructions to Bidders, Information for Bidders, Special Conditions, Specifications, and Plans applying form a part of this proposal.

This proposal is supported by the following bid surety as required by law and signatures affixed thereto constitute both a proposal and bid surety executed by the bidder.

## BID SURETY (REQUIRED BY LAW):

**BOND FORM: (USE THIS BOND FORM—NO ALTERNATE FORM OF BOND WILL BE CONSIDERED).**

KNOW ALL MEN BY THESE PRESENTS, THAT we, the undersigned, are held and firmly bound unto the City of Fort Wayne, State of Indiana, in the sum of.....

.....Dollars, to be paid on demand to said City of Fort Wayne, its successors and assigns for which payment well and truly to be made, we hereby bind ourselves, our heirs, successors, executors, and administrators, jointly and severally firmly by these presents.

The condition of this obligation is such that if the bid or proposal attached hereto and made a part hereof and submitted to the within named division of the City of Fort Wayne or its duly constituted agent, is accepted and a contract awarded to the undersigned bidder and the said bidder shall within ten (10) days after notice of said award enter into a contract with the said City of Fort Wayne, State of Indiana, and shall secure the performance of the same by bond or otherwise as may be required to the satisfaction of the City of Fort Wayne, Indiana then this obligation shall be null and void; otherwise to be in full force and effect.

**BID CHECK (ALTERNATE FORM OF SURETY):**  
Certified  Check No. .... in the sum of .....

If corporate surety is furnished, it is necessary  
that a certificate authorizing the "attorney-in-fact"  
to sign the bond accompanying the same.

Cashiers  Check No. .... in the sum of .....

.....Dollars  
on ..... Bank

of .....  
is herewith submitted and deposited in lieu of bond under the same terms and conditions as set forth in the above bond.  
Note: If Check is used as Bid Surety—Attach here.

## SIGNATURES (BID SURETY AND PROPOSAL):

Witnessed by:

OTHER PARTIES INTERESTED IN  
THIS PROPOSAL  
(See 14—Signatures under General Conditions, etc.)

List all Parties if Partnership

.....  
.....  
.....  
.....

Witnessed by:

.....  
.....  
.....

BIDDER  
AND  
PRINCIPAL

SURETY

## MINNESOTA MINING AND MANUFACTURING COMPANY

Name of Bidder—Print or Type

By. *James C. Stadler*  
Signature of Person Authorized to Sign  
Title. Merchandising Manager

3M Center  
Street Name and Number  
St. Paul, Minnesota 55101  
City, State and Zip Code

Date. February 14, 1973

Name of Company — Print or Type

Incorporated

In the State of:

Address.....

April, 1972

## PROPOSED SPECIFICATION

### SHEET REFLECTIVE MATERIALS — ENCLOSED LENS FOR TRAFFIC CONTROL SIGNS

#### SECTION I — DESCRIPTION

The reflective sheeting shall consist of spherical lens elements embedded within a transparent plastic having a smooth, flat outer surface. The sheeting shall be weather resistant and have a protected pre-coated adhesive backing.

#### SECTION II — REQUIREMENTS

##### A. Photometric

1. Background — The reflective sheeting shall have the following minimum brightness values at  $.2^\circ$  and  $.5^\circ$  and  $1.5^\circ$  divergence expressed as average candlepower per foot-candle per square foot (candelas per lux per square meter) of material. Measurements shall be conducted in accordance with standard testing procedures for reflex-reflectors of Federal Specification L-S-300A, "Sheeting and Tape, Reflective, Nonexposed Lens Adhesive Backing", para. 4.4.7 or as amended.

Div. Ang.	Silver-White #1			Silver-White #2			Yellow		
	$.2^\circ$	$.5^\circ$	$1.5^\circ$	$.2^\circ$	$.5^\circ$	$1.5^\circ$	$.2^\circ$	$.5^\circ$	$1.5^\circ$
Inc. Ang. $-4^\circ$	70	30	4	80	41	4	50.0	25.0	5.0
40°	14.5	8.5	1.5	16.5	9.5	2.0	11.5	7.0	1.5
Div. Ang.	Red			Blue			Green		
	$.2^\circ$	$.5^\circ$	$1.5^\circ$	$.2^\circ$	$.5^\circ$	$1.5^\circ$	$.2^\circ$	$.5^\circ$	$1.5^\circ$
Inc. Ang. $-4^\circ$	14.5	7.5	1.0	4	2	0.6	9	4.5	1.0
40°	3.0	1.5	0.3	0.9	0.4	0.08	1.8	1.5	0.2
Div. Ang.	Orange			.			.		
	$.2^\circ$	$.5^\circ$	$1.5^\circ$	.			.		
Inc. Ang. $-4^\circ$	25.0	13.5	1.5	.			.		
40°	1.0	0.8	0.1	.			.		

2. Applied or Demountable Copy — Reflective sheeting for all sign copy including letters, numerals, symbols, borders, and route markers shall be Silver-White #2 which has been carefully selected by the manufacturer for uniformity of day and night appearance. No further matching shall be necessary.
3. Rainfall Performance — The brightness of the reflective sheeting, totally wet by rain, shall not be less than 90% of the above values. Wet performance measurements shall be conducted in conformance with Standard RAINFALL TEST specified in Federal Specification L-S-300A, "Sheeting and Tape, Reflective, Nonexposed Lens Adhesive Backing".

##### B. Color

The diffuse day color of the reflective sheeting shall conform to the requirements of Table I and

and centered about a direction 45 deg from the perpendicular to the test surface; viewing is within 15 deg of and centered about the perpendicular to the test surface. Conditions of illumination and observation must not be interchanged.) The standards to be used for reference shall be the MUNSELL PAPERS designated in Table I. Papers must be recently calibrated on a spectrophotometer.

The test instrument shall be one of the following:

1. GARDNER multipurpose Reflectometer.
2. GARDNER Model AC-2a Color Difference Meter
3. MEECO Model V Colorimeter
4. HUNTERLAB D25 Color Difference Meter

TABLE I — CIE CHROMATICITY COORDINATE LIMITS

	x	y	x	y	x	y	x	y	y	(Y) Reflectance Limit		Ref. Std.	MUNSELL PAPER
										Min.	Max.		
Silver-White #1 & 2	.320	.310	.360	.360	.338	.377	.300	.328	.34.0			5.1GY6.91/1.2	
Yellow	.482	.450	.532	.465	.505	.494	.475	.485	.29.0	40.0		1.25Y6/12	
Red	.602	.317	.664	.336	.644	.356	.575	.356	8.0	11.0		8.2R3.78/14.0	
Green	.140	.354	.179	.372	.147	.435	.120	.420	4.0	7.0		.65/BG2.84/8.45	
Blue	.147	.075	.176	.091	.176	.151	.106	.113	1.0	2.4		5.8PB1.32/6.8	
Orange	.535	.375	.535	.399	.582	.417	.607	.393	19.77	30.05		2.5YR5.5/14.0	

#### C. Adhesive

1. The reflective sheeting shall include a pre-coated pressure sensitive adhesive or a tack-free heat activated adhesive, either of which may be applied without necessity of additional adhesive coats on the reflective sheeting or application surface.
2. The protective liner attached to the adhesive shall be removed by peeling without soaking in water or other solvents and shall be easily removed after accelerated storage for four hours at 150° F. (65° C.) under weight of 2.5 pounds per square inch (0.18 kg. per square cm.).
3. The adhesive shall form a durable bond to smooth, corrosion and weather-resistant surfaces. The reflective sheeting, applied to cleaned and etched aluminum test panels shall adhere securely, 48 hours after application, at temperatures of -30° to 200° F. (-35° C. to 93° C.). The adhesive bond shall be sufficient to render the applied sheeting vandal-resistant and prevent its shocking off when jabbed with a spatula at -10° F. (-23° C.). The sheeting shall resist peeling from the application surface when a 5 lb./in. width (2.27 kg. per 2.54 cm. width) force is applied as outlined in ASTM-D-903-49.

#### D. Film

1. General — The reflective sheeting shall have sufficient strength and flexibility so that it can be handled, processed, and applied according to the recommendations of the sheeting manufacturer without appreciable stretching, tearing, or other damage. It shall permit application over

and conformance to moderate, shallow embossing characteristics of certain sign borders and symbols. Following liner removal, the reflective sheeting shall not shrink more than 1/32" (0.79 mm) in 10 minutes nor more than 1/8" (3.18 mm) in 24 hours in any dimension per 9" (22.9 cm.) square at 72°F. (23°C.) and 50% RH.

The sheeting when applied according to manufacturer's recommendations to cleaned and etched .020" x 2" x 8" (5.08 mm x 5.0 cm. x 20.3 cm.) aluminum, conditioned (24 hours) and tested at 72°F. and 50% RH shall be sufficiently flexible to show no cracking when bent around a 3/4" (19.05 mm) mandrel.

2. Surface — The sheeting surface shall be smooth and flat, facilitate cleaning and wet performance, and exhibit 85° glossmeter rating of not less than 40 (ASTM-D-523-62T). The sheeting surface shall be readily processed and compatible with recommended transparent and opaque process colors and show no loss of the color coat with normal handling, cutting, and application.  
The sheeting shall permit cutting and color processing at temperatures of 60-100°F. (15-38°C.) and relative humidities of 20-80%. The sheeting shall be heat-resistant and permit force curing without staining of unapplied sheeting at temperatures up to 150°F. (65°C.) and up to 200°F. (93°C.) on applied sheeting. The sheeting surface shall be solvent resistant such that it may be cleaned with gasoline, VM&P Naphtha, mineral spirits, turpentine, methanol and xylol.
3. Lens Elements — The reflective sheeting shall possess stable and durable spherical lens elements which, following extraction, shall show no deterioration following submersion in a 5N solution of sulphuric acid ( $H_2SO_4$ ) for 30 minutes at 72°F. (23°C.).

#### E. Durability

1. Reflective sheetings processed, applied to approved sign base materials, and cleaned, in accordance with manufacturer's recommendations for their use on traffic control signs, shall be considered as performing satisfactorily for the number of years stated by the bidder if the sheetings have not deteriorated due to natural causes to the extent that: 1) the sign is ineffective for its intended purpose when viewed from a vehicle, or 2) the average nighttime reflective brightness is less than that specified in Table II below. The bidder's only liability shall be replacement of all reflective sheeting failing to give satisfactory performance for the number of years stated by the bidder.

TABLE II

Sheeting Type & Color	Average minimum candlepower per foot candle per square foot (candelas per lux per square meter) at 0.2° divergence and -4° incidence*	Satisfactory Performance Life**
Silver-White #1	30	_____ Years
Silver-White #2	36	_____ Years
Yellow	20	_____ Years
Red	5	_____ Years
Blue	2	_____ Years
Green	3	_____ Years
Orange	10	_____ Years

\*Candlepower measurement shall be made, following sign cleaning, in accordance with procedure recommended by the sheeting manufacturer.

\*\*Performance years for each color shall be stated by the bidder.

2. The reflective material exposed at a commercial test facility for 24 months in Florida at 45° south facing, shall not support fungus growth and accumulate dirt to the extent that the reflective brightness before cleaning is less than 75% of the reflective brightness after cleaning, measured at 0.2° divergence and -4° incidence.

3. The sheeting surface may be readily refurbished by cleaning and clear overcoating in accordance with the manufacturer's recommendations.

**F. General Characteristics and Packaging**

The reflective sheeting as supplied shall be of good appearance, free from ragged edges, cracks, and extraneous materials, and shall be furnished in both rolls and sheets. When the reflective sheeting is furnished in continuous rolls, the average number of splices shall not be more than three per 50 yards (45.7m) of material with a maximum of four splices in any 50 yard length. Splices shall be butted or overlapped and shall be suitable for continuous application as supplied.

Rolls shall be packed snugly in corrugated fibreboard boxes in accordance with commercially accepted standards.

Rolls 3" (7.6 cm.) in width to 12" (30.5 cm.) in width shall be packed in corrugated fiberboard cartons of minimum 200 lb. test (90.7 kg.). Rolls 13" (33 cm.) in width to 24" (61 cm.) in width shall be packed in corrugated fiberboard cartons of 275 lb. test (124.7 kg.). Rolls 25" (63.5 cm.) in width and above shall be packed in corrugated cartons of minimum 350 lb. test (158.8 kg.). Rolls wider than 6" (15.2 cm.) and 10 yards (9.2 m) in length or longer shall be supported and suspended by the roll core within the cartons by means of plugs within built-up and reinforced corrugated pads.

Cut sheets shall be packaged flat between pressed composition board or corrugated pads of the same dimensions in accordance with commercially accepted standards.

Stored under normal conditions, the reflective sheeting as supplied shall be suitable for use for a period of at least one year.

NOTE: Metric equivalents in parenthesis.

PROPOSED SPECIFICATION  
FOR  
ENCAPSULATED LENS REFLECTIVE SHEETING FOR  
TRAFFIC CONTROL SIGNS

**SECTION I - DESCRIPTION**

The reflective sheeting shall consist of spherical lens elements adhered to a synthetic resin and encapsulated by a flexible, transparent, weatherproof plastic having a smooth outer surface. The sheeting shall have a pre-coated adhesive backing protected by a treated plastic liner.

**SECTION II - REQUIREMENTS**

**A. Photometric**

The reflective sheeting shall have the following minimum brightness values at  $.2^{\circ}$ ,  $.5^{\circ}$  and  $1.5^{\circ}$  divergence expressed as average candlepower per foot-candle per square foot (candela per lux per square meter) of material. Measurements shall be conducted in accordance with standard photometric testing procedures for reflex-reflectors, paragraph 4.4.7 of Federal Specification L-S-300A, "Sheeting and Tape, Reflective; Non-exposed Lens Adhesive Backing" or as amended.

Div. Ang.	Silver-White			Yellow			Red		
	$.2^{\circ}$	$.5^{\circ}$	$1.5^{\circ}$	$.2^{\circ}$	$.5^{\circ}$	$1.5^{\circ}$	$.2^{\circ}$	$.5^{\circ}$	$1.5^{\circ}$
Inc. Ang. $.4^{\circ}$	250.0	95.0	4.0	150.0	57.0	3.0	35.0	13.0	0.7
$40^{\circ}$	120.0	54.0	2.0	70.0	30.0	1.5	17.0	7.5	0.3
Green									
Div. Ang.	$.2^{\circ}$	$.5^{\circ}$	$1.5^{\circ}$	$.2^{\circ}$	Orange		$.2^{\circ}$	$.5^{\circ}$	$1.5^{\circ}$
Inc. Ang. $.4^{\circ}$	30.0	11.0	0.4	60.0	20.0	1.0			
$40^{\circ}$	4.0	2.0	0.1	25.0	13.0	0.7			

Wet performance measurements shall be conducted in accordance with standard rainfall test specified in Federal Specification L-S-300A and the brightness of the reflective sheeting totally wet by rain, shall not be less than 90% of the above values.

**B. Color**

The diffuse day color of the reflective sheeting shall conform to the requirements of Table I and shall be determined in accordance with ASTM E 97-55 "STANDARD METHOD OF TEST FOR 45-DEG, 0-DEG DIRECTIONAL REFLECTANCE OF OPAQUE SPECIMENS BY FILTER PHOTOMETRY". (Geometric characteristics must be confined to illumination incident within 10 deg. of and centered about, direction 45-deg. from the perpendicular to the test surface; viewing is within 15 deg. of and centered about the perpendicular to the test surface. Conditions of illumination and observation must not be interchanged.) The standards to be used for reference shall be the MUNSELL PAPERS designated in Table I. Papers must be recently calibrated on a spectrophotometer.

The test instrument shall be one of the following:

1. GARDNER Multipurpose Reflectometer
2. GARDNER Model AC-2a Color Difference Meter
3. MEECO Model V Colormaster
4. HUNTERLAB D25 Color Difference Meter

TABLE I - CIE CHROMATICITY COORDINATE LIMITS

Color	X				Y				Reflectance Limit (Y)		Ref. Std. MUNSELL PAPERS
	x	y	x	y	x	y	x	y	Min.	Max.	
Silver-White	.302	.289	.286	.306	.324	.344	.342	.327	30.0		5PB 7/0.7
Green	.152	.523	.211	.395	.172	.372	.105	.503	3.0	8.0	9.0G 3.3/9.5
Yellow	.483	.462	.510	.490	.560	.440	.534	.414	16.0	32.0	1.25Y 6/12
Red	.608	.288	.700	.298	.644	.352	.608	.352	4.0	8.0	8R 3.2/13
Orange	.535	.375	.535	.399	.582	.417	.607	.393	19.8	30.0	2.5YR 5.5/14.0

C. Adhesive

1. The reflective sheeting shall include a pre-coated pressure sensitive adhesive or a tack free heat activated adhesive, either of which shall be applied exactly as specified by the sheeting manufacturer to recommended, properly prepared flat surfaces without necessity of additional adhesive coats on the reflective sheeting or application surface.
2. The protective liner attached to the adhesive shall be removed by peeling without soaking in water or other solvents and shall be easily removed after accelerated storage for 4 hours at 150°F. (65°C) under weight of 2.5 pounds per square inch (0.18 kg. per square cm.).
3. The adhesive shall form a durable bond to smooth, corrosion and weather resistant surfaces. The reflective sheeting, applied to cleaned and etched aluminum test panels shall adhere securely, 48 hours after application, at all normal application temperatures up to 150°F. (93°C) after the panels are conditioned for 24 hours at -10°F. (-35°C), the adhesive bond shall be sufficient to render the applied sheeting vandal-resistant and show no cracking when the the surface of the reflective sheeting is exposed to the impact of a 2 pound (0.9kg) weight with a 5/8" (15.9mm) rounded tip dropped from a 10 inch pound (11.4cm kg) setting on a Gardner Variable Impact Tester, IG-1120M. The sheeting shall resist peeling from the application surface when a 5 lb/in. width (2.27 kg per 2.54 cm width) force is applied as outlined in ASTM D903-49.

D. 1. General

The reflective sheeting shall have sufficient strength and flexibility so that it can be handled, processed, and applied according to the recommendations of the sheeting manufacturer without appreciable damage. Following liner removal, the reflective sheeting shall not shrink more than 1/64" (0.40 mm) in 24 hours in any dimension per 9" (22.9 cm) square at 72°F. (23°C) and 50% RH.

The sheeting with liner removed, conditioned for 24 hours at 72°F. and 50% RH shall be sufficiently flexible to show no cracking when bent around 1/8" (3.18 mm) mandrel with adhesive side contacting mandrel. Note: For ease of testing, spread talcum powder on adhesive to prevent sticking to mandrel.

2. Surface

The sheeting surface shall be smooth and facilitate cleaning and wet performance, and exhibit 85° gloss meter rating of not less than 50 (ASTM D 523-62T). The surface of the sheeting with the heat activated adhesive shall be readily processed in accordance with recommendations of the sheeting manufacturer, compatible with recommended transparent and opaque process colors and show no loss of the color coat with normal handling, cutting, and application.

The sheeting shall permit cutting and color processing at temperatures of 60° -100° (15° -39°C) and relative humidities of 20-80%. The sheeting surface shall permit cleaning by wiping with a clean soft rag dampened in V.M.&P. Naptha or mineral spirits.

3. Lens Elements

The reflective sheeting shall possess stable and durable spherical lens elements which, following extraction, shall show no deterioration following submersion in a 5N solution of sulphuric acid ( $H_2SO_4O$ ) for 30 minutes at 72° (23°C).

4. Impact Resistance

The sheeting, applied according to manufacturers recommendations to cleaned etched 0.40" x 3" x 5" (1 mm x 7.6 cm x 12.7 cm) aluminum (6061-T6) and conditioned for 24 hours at 72°F. (23°C) and 50% humidity shall show no cracking when face of panel is subjected to impact of a two pound (0.9 kg) weight with 5/8" (15.9 mm) rounded trip at 10 inch pound (11.4 cm kg) setting on a Gardner Variable Impact Tester, (IG-1120).

E. Durability

1. Reflective sheeting processed, applied to approved sign base materials, and cleaned, in accordance with manufacturer's recommendations for their use on traffic control signs, shall be considered as performing satisfactorily for the number of years stated by the bidder if the sheetings have not deteriorated due to natural causes to the extent that; (1) the sign is ineffective for its intended purpose when viewed from a vehicle, or (2) the average nighttime reflective brightness is less than that specified in Table II below. The bidders' only liability shall be replacement of all reflective sheeting failing to give satisfactory performance for the number of years stated by the bidder.

TABLE II

Sheeting Type and Color	Average minimum candlepower per foot candle per square foot at 0.2° divergence and -4° incidence *	Satisfactory Performance Life**
Silver-White	200	Years
Green	24.0	Years
Yellow	120.0	Years
Red	28.0	Years
Orange	48.0	Years

\* Candlepower measurement shall be made, following sign cleaning, in accordance with procedures recommended by the sheeting manufacturer.

\*\* Performance years for each color shall be stated by the bidder.

2. The reflective sheeting exposed for 24 months in Florida at 45° south facing, shall not support fungus growth and accumulate dirt to the extent that the reflective brightness before cleaning is less than 75% of the reflective brightness after cleaning, when measured at 0.2 divergence and -4° incidence. The supplier shall furnish written evidence or samples showing conformance to this requirement.

F. General Characteristics and Packaging

The reflective sheeting as supplied shall be free from ragged edges, cracks, and extraneous materials, and shall be furnished in both rolls and sheets. When the reflective sheeting is furnished in continuous rolls the average number of splices shall not be more than three per 50 yards (45.7 m) of material with a maximum of 4 splices in any 50 yard length. Splices shall be suitable for continuous application as supplied.

On signs fabricated from Encapsulated Lens reflective sheeting, some wrinkling, streaking, and mottling shall be permitted, on visual quality inspection, if not apparent under normal viewing conditions for the intended use. The sheeting manufacturer shall assure that these conditions are not progressive and will not adversely affect performance.

Rolls shall be packed snugly in corrugated fiberboard boxes in accordance with commercially acceptable standards.

Rolls, 3" (7.6 cm) in width to 12" (30.5 cm) in width shall be packed in corrugated fiberboard cartons of min. 200# (90.7 kg) test. Rolls 13" (33 cm) in width to 24" (61 cm) in width shall be packed in corrugated fiberboard cartons of 275# (124.7 kg) test. Rolls 25" (63.5 cm) in width and above shall be packed in corrugated fiberboard cartons of min. 350# (158.8 kg) test. Rolls wider than 6" (15.2 cm) and 10 yards (9.2 m) in length or longer shall be supported and suspended by the roll core within cartons by means of plugs within built-up and reinforced corrugated pads.

Cut sheets shall be packaged flat between pressed composition boards or corrugated pads of the same dimensions as the sheets and shall be packed in accordance with commercially accepted standards and in accordance with the recommendations of the sheeting manufacturer.

The reflective sheeting as supplied, stored under normal conditions, shall be suitable for use for at least one year after purchase.

NOTE: Metric equivalents in parenthesis.

Admn. Appr. *✓*

DIGEST SHEET

10-36-73  
J-73-03-19

TITLE OF ORDINANCE Contract approval Reflective Sheeting and miscellaneous Sign Faces. Minnesota Mining and Manufacturing Co.

DEPARTMENT REQUESTING ORDINANCE Traffic Engineering Department

SYNOPSIS OF ORDINANCE Purchase of Reflective Sheeting and miscellaneous

Sign Faces for the fabrication of Traffic Control Signs and Guides for 1973.

These signs include the new "Symbol" signs and will provide a Uniform Type of traffic control.

EFFECT OF PASSAGE Will conform to Federal Requirements regarding "Uniform Traffic Control Devices". These signs will provide a way to communicate with the motorist. They will command attention, convey a clear, simple meaning, command respect, voluntary compliance, and give adequate time for proper response by all road users.

EFFECT OF NON-PASSAGE Failure to conform to Federal requirements regarding "Uniform Traffic Control Devices" would disqualify the City for future Federal funding. Without legal methods used to communicate with the motorist, it would reduce the efficiency of our street system, thus creating unnecessary delay, congestion and increase accidents.

MONEY INVOLVED (Direct Costs, Expenditures, Savings)

Approximately \$10,000.00 - OR LESS. A catalog containing a price list and discount sheet has been submitted.

ASSIGNED TO COMMITTEE (J.N.) Finance - Wm. J. K.

## ORDINANCE CHECK-OFF SHEET

## INFORMATION REGARDING ORDINANCE

## CONTENTS OF ORDINANCE

BILL NO.	<i>D-73-03-19</i>
ORDINANCE NO.	<i>A-36-73</i>
X REGULAR SESSION	<i>3-27-73</i>
SPECIAL SESSION	
APPROVED AS TO FORM AND LEGALITY	<i>Keller</i>
BILL WRITTEN BY	<i>Troper Eng.</i> <i>3-27-73</i>
DATE INTRODUCED	<i>3-27-73</i>
REFERRED TO SAID STANDING COMMITTEE	<i>Assyra</i> <i>Finance</i>
REFERRED TO CITY PLAN	
LEGAL PUBLIC HEARING	
LEGAL PUBLICATION	
JOINT HEARING	
DEPARTMENT HEARING	
HOLD FILE	
X PASS <i>4-10-73</i>	
DO NOT PASS	
WITHDRAWN	
SUSPENSION OF RULES	
PRIOR APPROVAL	
ORDINANCE TAKEN OUT OF OFFICE	
OTHER INSTRUCTIONS REGARDING ORDINANCE	
CORRECTIONS MADE TO ORDINANCE	
PEOPLE SPEAKING FOR ORDINANCE	
PEOPLE SPEAKING AGAINST ORDINANCE	

X COMMITTEE SHEET
X VOTE SHEET
X PURCHASE ORDERS <i>specifications</i>
X BIDS ORDERS, BIDS OR OTHER PAPERS TAKEN OUT AND BY WHOM
LETTER REQUESTING ORDINANCE DRAWN UP BY CITY ATTORNEY
<i>Troper Eng.</i> COMMUNICATIONS FROM
ZONING MAPS <i>specifications</i>
ABSTRACTS - <i>Information for Bills</i> <i>Request for publication</i>
TITLES - <i>affidavit - Party per</i>
PRIOR APPROVAL LETTER <i>Digar Thru</i>

## COUNCILMAN'S VOTE

	AYES	NAYS	ABSENT
BURNS	X		
HINGA	X		
KRAUS	X		
MOSES	X		
NUCKOLS	X		
D. SCHMIDT	X		
V. SCHMIDT	X		
STIER	X		
TALARICO	X		

COMMENTS: